










Badger Meter Selection Chart by Jobe and Company

Meter Model <small>(Click for Product Data Sheet)</small>	Target Applications	Target Segments	Fluid <small>*Flow rates vary slightly for chemicals or oils</small>	Model/Part No. <small>(Meter Size)</small>	Flow Range <small>(gpm)</small>	Temp. (°F)	Pressure Range (psil)	Positive Displacement	Accuracy (%)	Features
 Recordall™ Industrial Meters <small>(Nutating Disc Technology)</small>	Inventory Process Control Condensate Return Boiler Feed Water Additive Dispensing Fuel Consumption	Boiler Rooms Commercial Subdivisions Manufacturing/Process Facilities	Potable Water, Fuel Oil and Light Chemicals * (Not for use with chemicals or oils)	Model M25 / M25-625 (5/8")	0.5-170	<120 °F	Up to 150	Yes	+/- 1.5	Recordall meters have a simple, efficient design for high accuracy and repeatability over extended flow range. Recordall meters are one of the most cost effective methods in metering industrial fluids.
				Model M25 / M25-750 (3/4")	1/2 to 30					
				Model M35 / M35-750 (3/4")*	3/4 to 35					
				Model M40 / M40-100 (1")*	3/4 to 50					
				Model M70 / M70-100 (1")	1 to 70					
				Model M120 / M120-150 (1-1/2")	2 to 120					
				Model M170 / M170-200 (2")*	2 to 170					
				Model M120 / M120-150 (1-1/2")	2 to 120					
 Recordall™ Turbo Series <small>(Direct Magnet Drive Technology)</small>	Consistent Medium to High Flows	Apartment Complexes Hotels Office Buildings Irrigation Manufacturing/Process Facilities	Potable & Gray Water	Model 160 / RT-0150 (1-1/2")	2.5 to 200	<120 °F	Up to 150	Yes	+/- 1.5	Direct Coupled Turbine Based on Floating Rotor Design
				Model 200 / RT-0200 (2")	2.5 to 200					
				Model 450 / RT-0300 (3")	4 to 450					
				Model 1000 / RT-0400 (4")	6 to 1000					
				Model 2000 / RT-0600 (6")	12 to 2000					
				Model 3500 / RT-0800 (8")	20 to 3500					
				Model 5500 / RT-1000 (10")	30 to 5500					
				Model 6200 / RT-1200 (12")	65 to 6200					
 Industrial Turbine - Turbo Model	High Volumes and/or High Flow Rates	Water Treatment Tanker loading/unloading Batching Systems Inventory Control of a Process Fluid	Water, Oil, Solvents, Acids	IT-200 (2")	8 to 200**	32-250	Standard < 150 Optional < 300	Yes	+/- 0.5 or +/- 1.5 ** (for stated flow rates)	Available in Cast Iron, Bronze or 316 Stainless Volumetric Liquid Flow Ideal for Wide Flow Range with Minimal Pressure Loss
				IT-300 (3")	10 to 450**					
				IT-400 (4")	25 to 1250**					
				IT-600 (6")	40 to 2500**					
 Recordall Compound	Rapid and Wide Fluctuations in Demand	Hospitals Universities Residential Complexes Utilities	Potable Water	CSM-0200 (2")	.5 to 200	Up to 105	Up to 150	Yes	+/- 1.5	A positive displacement chamber measures low flow, while a turbine chamber records high flow.
				CSM-0300 (3")	.5 to 450					
				CSM-0400 (4")	.75 to 1000					
				CSM-0600 (6")	.75 to 2000					
 ModMAG™ Meter <small>(Electromagnetic Flow Meter)</small>	Broad Selection of Liquids Large Pipe Sizes & Flows Bi-directional Flows	Pharmaceuticals Chemicals Irrigation Waste water Food and Beverage Process Manufacturing	Conductive fluids, including water or highly corrosive liquid, very viscous, moderate amount of solids	Model 2000 / M20 (.25" to 54")	0.01 to 272,255	Up to 302	N/A	No	+/- 0.25	Virtually unaffected by density, temperature, pressure, and viscosity changes Corrosion Resistant Liners for Long Life Empty Pipe Detection No moving parts, therefore no pressure loss and minimal maintenance Remote Amplifier Mounting NSF Listed Available
				Model 3000 / M30 (0.25" to 24")	0.01 to 53,779					
				Model 4000 / M 40 (0.25" to 12")	0.01 to 13,445					
 ModMAG™ Meter <small>(Electromagnetic Flow Meter)</small>	Broad Selection of Liquids Large Pipe Sizes & Flows Bi-directional Flows Class 1 Div 2	Pharmaceuticals Chemicals Irrigation Waste water Food and Beverage Process Manufacturing	Conductive fluids, including water or highly corrosive liquid, very viscous, moderate amount of solids	Model 3000 / M30 (0.25" to 24")	0.01 to 53,779	Up to 248	Up to 150	No	+/- 0.25	Virtually unaffected by density, temperature, pressure, and viscosity changes Corrosion Resistant Liners for Long Life Empty Pipe Detection No moving parts, therefore no pressure loss and minimal maintenance Remote Amplifier Mounting NSF Listed Available
 ModMAG™ Meter <small>(Electromagnetic Flow Meter)</small>	Broad Selection of Liquids Large Pipe Sizes & Flows Bi-directional Flows Class 1 Div 1			Model 4000 / M 40 (0.25" to 12")	0.01 to 13,445					

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 Industrial Oval Gear	Accurate Metering/Batching of Viscous Fluids (ideal for applications when conventional meters won't work)	Pharmaceuticals Chemicals Waste Water Additives Food and Beverage Process Manufacturing	Very viscous, highly corrosive, including petroleum based, water solutions and other materials of construction	IOG-025 (1/4")	0.067 to 2.2	SS = -22 to 240 Aluminum = -22 to 176	Up to 285 (some models w/300# flange option can handle up to 740)	Yes	+/-1 or +/-2.5	Economical, Highly Accurate with a Rugged Design Available in 316 SS or 6061 Aluminum (SS offers broader flow range and better accuracy - SS specs shown)
				IOG-050 (1/2")	0.25 to 8				+/-0.5 or +/-2.0	
				IOG-075 (3/4")	0.5 to 16				+/-0.5 or +/-2.0	
				IOG-100 (1")	0.6 to 18				+/-0.5 or +/-2.0	
				IOG - HF (1")	1.5 to 45				+/-0.5 or +/-2.0	
				IOG-150 (1.5")	2.5 to 65				+/-0.5 or +/-1.0	
				IOG-200 (2")	4 to 100				+/-0.5 or +/-1.0	
				IOG - 300 (3")	5 to 185				+/-0.5 or +/-1.0	
 Oscillating Piston - Chemical or Sanitary 3A	Reduced Contamination Risk for Safety and Sanitary Applications	Food & Beverage Chemical Processing Pharmaceutical Sanitary Applications	Chemicals Sanitary Liquids	OP-050 (1/2")	1.5 to 4	40 to 250	Up to 150 (300 optional)	Yes	+/-0.5	Highly accurate with easy maintenance. Handles highly viscosity fluids up to 100,000 cps. Compact design enables flexible installation.
				OP-100 (1")	5.5 to 20				+/-0.5	
				OP-200 (2")	25 to 65				+/-0.5	